

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30606  
Name: Murfin Drilling Company, Inc.  
Address 1: 250 N. Water, Suite 300  
Address 2: \_\_\_\_\_  
City: Wichita State: KS Zip: 67202 + \_\_\_\_\_  
Contact Person: Leon Rodak  
Phone: ( 316 ) 267-3241  
CONTRACTOR: License # 30606  
Name: Murfin Drilling Company, Inc.  
Wellsite Geologist: Paul Gunzelman  
Purchaser: None

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
03/23/10    03/28/10    03/28/10  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 195-22846-0000  
Spot Description: \_\_\_\_\_  
NW SW SE NE Sec. 16 Twp. 12 S. R. 24  East  West  
2000 Feet from  North /  South Line of Section  
1220 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Trego  
Lease Name: Hendricks Well #: 1-1  
Field Name: Wildcat  
Producing Formation: None  
Elevation: Ground: 2453 Kelly Bushing: 2458  
Total Depth: 4120 Plug Back Total Depth: None  
Amount of Surface Pipe Set and Cemented at: 219 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: \_\_\_\_\_  
feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**AFFIDAVIT**  
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.  
Signature: [Signature]  
Title: VP Production Date: 12/22/10

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: [Signature] Date: 12/30/10

Operator Name: Murfin Drilling Company, Inc. Lease Name: Hendricks Well #: 1-16  
 Sec. 16 Twp. 12 S. R. 24  East  West County: Trego

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction, Compensated Porosity, Microresistivity</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum  See Attached List
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface		8 5/8	23#	219	Common	150	3% cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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MDCI Hendricks #1-16 2000 FNL 1220 FEL Sec. 16-T12S-R24W 2458' KB					MDCI Hendricks #2-16 100 FNL 2310 FWL Sec. 16-T12S-R24W 2478' KB			Gulf Oil Corp. (Plugged) #1 Brandenburg C NE SW Sec. 16-T12S-R24W 2491' KB		
Formation	Sample top	Datum	Log Top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	2018	+440	2016	+442	+6	2042	+436	-5	2045	+445
B/Anhydrite	2062	+396	2060	+398	+3	2083	+395	-3	2092	+399
Topeka	3560	-1102	3561	-1103	+3	3584	-1106	+11	3604	-1113
Heebner	3785	-1327	3784	-1326	+6	3810	-1332	+12	3830	-1339
Toronto	3807	-1349	3804	-1346	+8	3832	-1354	+12	3852	-1361
Lansing	3819	-1361	3818	-1360	+7	3845	-1367	+15	3867	-1376
BKC	4072	-1614	4074	-1616	+1	4095	-1617		4120	-1629
Pawnee						NDE	NDE		4256	-1765
Fort Scott						NDE	NDE		4326	-1837
Cherokee						NDE	NDE		4348	-1857
Mississippi						NDE	NDE		4420	-1929
RTD	4120	-1662				4145			4475	
LTD			4119	-1661		4148			4453	

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*Acct. List*  
**Invoice**

Quality Oilwell Cementing Inc.

740 W WICHITA  
 P.O. Box 32  
 Russell, KS 67665

Date	Invoice #
3/29/2010	2412

<b>Bill To</b>
Murfin Drilling Company P.O. Box 288 Russell Ks 67665

USED FOR \_\_\_\_\_  
 APPROVED \_\_\_\_\_

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
132	common	10.50	1,386.00T
88	POZ	6.50	572.00T
8	GEL	17.00	136.00T
55	Celloseal	2.00	110.00T
228	handling	2.00	456.00T
1	MILEAGE CHARGE	450.00	450.00T
1	dry hole plug	45.00	45.00T
1	pump truck charge plugging	600.00	600.00T
47	pump truck mileage charge	7.00	329.00T
817	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-817.00T
	LEASE: HENDRICKS WELL #1-16 <i>Plugging</i>		
	Trego county Sales Tax	5.80%	189.49
	<i>operator pay moc/bn</i>		
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<i>500</i> <i>500</i> WDCACOTBA			
Thank you for your business. Dave		<b>Total</b>	<i>W</i> \$3,456.49

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3889

Date	3/08/10	Sec.	16	Twp.	12	Range	24	County	Trego	State	KS	On Location	Finish	3:00 Pm	
Lease	Hendricks		Well No.	1-16		Location Wakarusa, S to I Rd, SW, 1/2 S, W into									
Contractor	Murfin Drilling Rig #16						Owner								
Type Job	Plug						To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	7 7/8"		T.D.	4120'		Charge To									
Csg.							Murfin Drilling Co., Inc.								
Tbg. Size							Street								
Tool							City State								
Cement Left in Csg.							The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line							Cement Amount Ordered								

**EQUIPMENT**

Pumptrk	1	No.	Cementor Helper	Paul
Bulktrk	11	No.	Driver	Brandon
Bulktrk	PU	No.	Driver	Doug

220 sq 60/40 w/gel 1/4" PVC x 1/2" (handwritten)

**JOB SERVICES & REMARKS**

Remarks:  
Rat Hole 30 SX  
Mouse Hole 15 SX  
Centralizers  
Baskets  
DN or Port Collar  
2020' - 25 SX  
1100' - 100 SX  
240' - 40 SX  
40' - 10 SX

Common
Poz. Mix
Gel.
Calcium
Hulls
Salt
Flowseal
Kol-Seal
Mud CLR 48
CFL-117 or CD110 CAF 38
Sand
Handling
Mileage

**FLOAT EQUIPMENT**

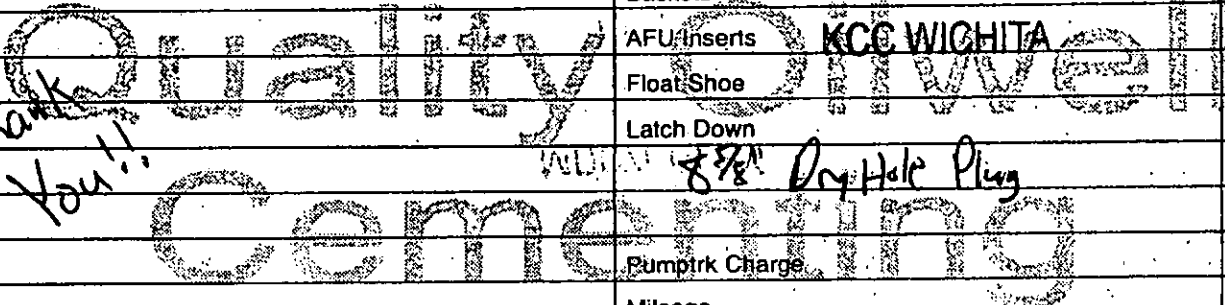
Guide Shoe	RECEIVED
Centralizer	DEC 2 9 2010
Baskets	

AFU Inserts	KCC WICHITA
Float Shoe	
Latch Down	

8 5/8" Dry Hole Plug

Pumptrk Charge
Mileage
Tax
Discount
Total Charge

Thank You!!  
Signature [Handwritten]



Quality Oilwell Cementing Inc.

740 W WICHITA  
 P.O. Box 32  
 Russell, KS 67665

*Cost. Log*  
**Invoice**

Date	Invoice #
3/24/2010	2395

<b>Bill To</b>
Murfin Drilling Company P.O. Box 288 Russell Ks 67665

USED FOR \_\_\_\_\_

APPROVED \_\_\_\_\_

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
150	common	10.50	1,575.00T
3	GEL	17.00	51.00T
5	Calcium	42.00	210.00T
158	handling	2.00	316.00
1	MILEAGE CHARGE	350.00	350.00
1	surface pipes 0-500ft	450.00	450.00
47	pump truck mileage charge	7.00	329.00
367	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-367.00T
289	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-289.00
	LEASE HENDRICKS WELL #1-16 Trego county Sales Tax	5.80%	85.20

*operator pay  
 mac/om*

*(OK)* RECEIVED  
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Thank you for your business. Dave	<b>Total</b>	<i>[Signature]</i> \$2,710.20
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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3932

Date	3-23-10	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Hendricks	Well No.	1-16		Location	Trego Kansas Wakeney SW 1/4 W 25 W 26		
Contractor	Martin Drilling Right				Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Type Job	Surface				Charge To	Martin Drilling Co		
Hole Size	12 1/4	T.D.	220		Street			
Csg.	8 3/8 2.36	Depth	218		City	State		
Tbg. Size		Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Tool		Depth			Cement Amount Ordered 150 Lbs 3000 236			
Cement Left in Csg.	10-15		Shoe Joint					
Meas Line		Displace	1304					

**EQUIPMENT**

Pumptrk	1	No.	Cement Helper	Star	Common	1
Bulktrk	11	No.	Driver	Rick	Poz. Mix	
Bulktrk		No.	Driver	Rocky	Gel.	

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38

*Cement did not*

Sand	Handling
	Mileage

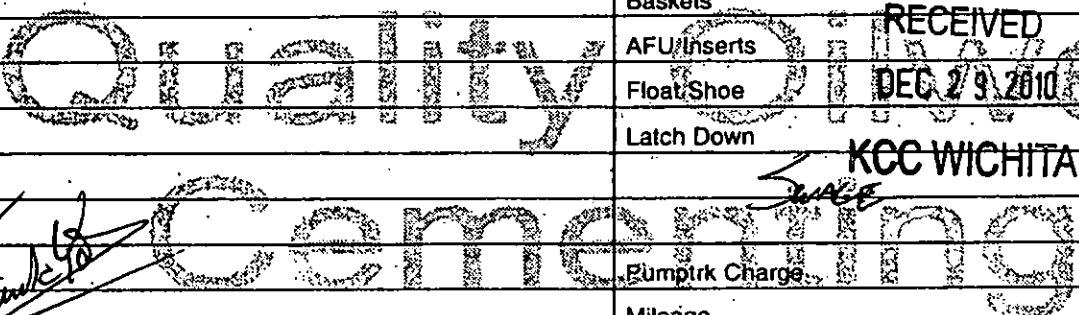
**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU/Inserts	
Float/Shoe	
Latch Down	

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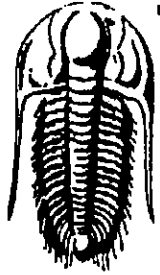
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X Signature *Aug [Signature]*

Pumptrk Charge		Tax	
Mileage		Discount	
		Total Charge	



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Murfin Drig Co Inc**

250 N Wtr Ste 300  
Wichita Ks 67202

ATTN: David Doyle

**16-2-24-Trego-Ks**

**Hendricks # 1-16**

Start Date: 2010.03.27 @ 07:50:28

End Date: 2010.03.27 @ 14:24:13

Job Ticket #: 38146                      DST #: 1

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Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Murfin Drig Co Inc

250 N Wtr Ste 300  
Wichita Ks 67202

ATTN: David Doyle

Hendricks # 1-16

16-2-24-Trego-Ks

Job Ticket: 38146

DST#: 1

Test Start: 2010.03.27 @ 07:50:28

### GENERAL INFORMATION:

Formation: I LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:58

Time Test Ended: 14:24:13

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3978.00 ft (KB) To 3998.00 ft (KB) (TVD)

Total Depth: 3998.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2458.00 ft (KB)

2453.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8354

Inside

Press@RunDepth: 10.60 psig @ 3979.00 ft (KB)

Start Date: 2010.03.27

End Date:

2010.03.27

Capacity: 8000.00 psig

Last Calib.: 2010.03.27

Start Time: 07:50:29

End Time:

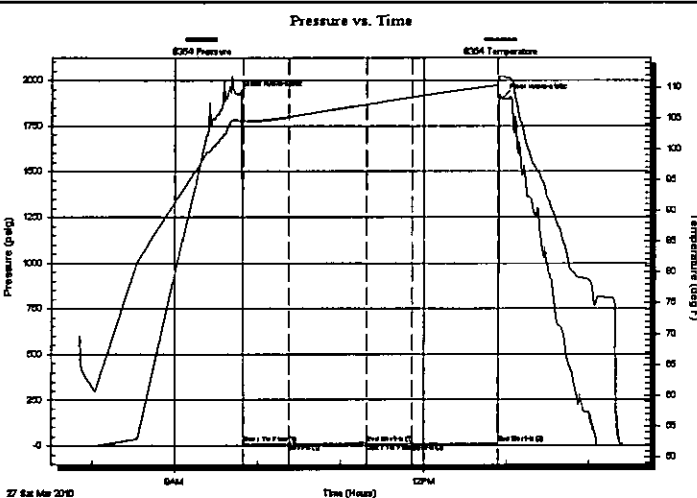
14:24:13

Time On Btm: 2010.03.27 @ 09:45:13

Time Off Btm: 2010.03.27 @ 12:57:13

TEST COMMENT: IF-Weak steady surface blow

FF-No blow



### PRESSURE SUMMARY

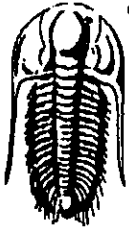
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.00	104.55	Initial Hydro-static
4	8.93	104.08	Open To Flow (1)
38	10.18	105.09	Shut-In(1)
94	13.20	107.23	End Shut-In(1)
94	10.82	107.25	Open To Flow (2)
127	10.60	108.45	Shut-In(2)
189	13.34	110.41	End Shut-In(2)
192	1904.59	111.73	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drig Mud	0.00

### Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Murfin Drig Co Inc

**Hendricks # 1-16**

250 N Wtr Ste 300  
Wichita Ks 67202

**16-2-24-Trego-Ks**

Job Ticket: 38146

**DST#: 1**

ATTN: David Doyle

Test Start: 2010.03.27 @ 07:50:28

**Tool Information**

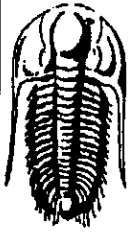
Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 55.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3978.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3956.00	
Shut In Tool	5.00			3961.00	
Hydraulic tool	5.00			3966.00	
Safety Joint	3.00			3969.00	
Packer	5.00			3974.00	23.00 Bottom Of Top Packer
Packer	4.00			3978.00	
Stubb	1.00			3979.00	
Recorder	0.00	8354	Inside	3979.00	
Recorder	0.00	8520	Outside	3979.00	
Perforations	16.00			3995.00	
Bullnose	3.00			3998.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 43.00**

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**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Murfin Drig Co Inc

**Hendricks # 1-16**

250 N Wtr Ste 300  
Wichita Ks 67202

**16-2-24-Trego-Ks**

Job Ticket: 38146

**DST#: 1**

ATTN: David Doyle

Test Start: 2010.03.27 @ 07:50:28

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2100.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

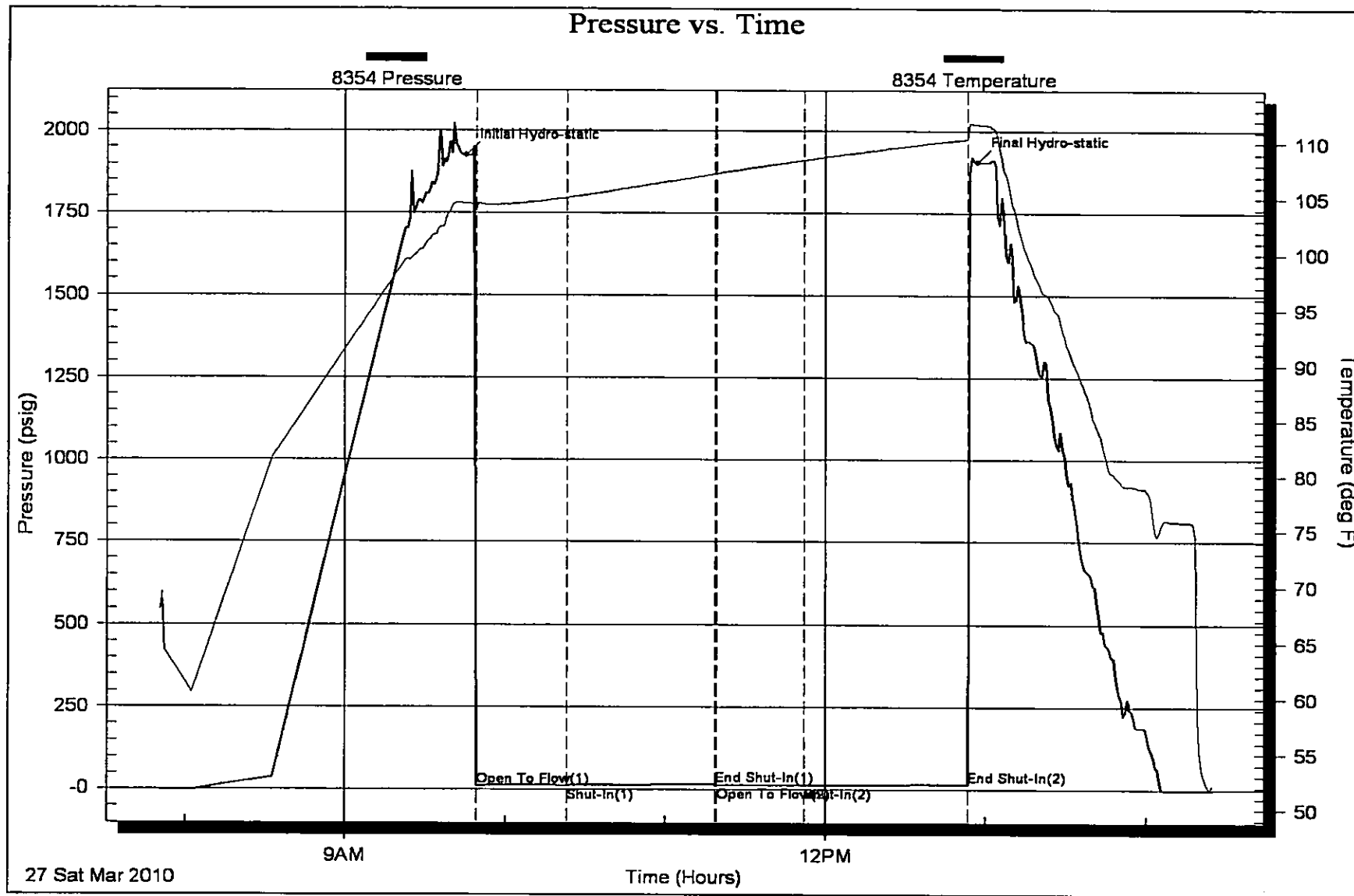
Length ft	Description	Volume bbl
1.00	Drig Mud	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

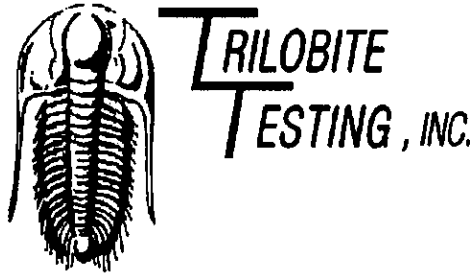
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:



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## DRILL STEM TEST REPORT

Prepared For: **Murfin Drlg Co Inc**

250 N Wtr Ste 300  
Wichita Ks 67202

ATTN: David Doyle

**16-2-24-Trego-Ks**

**Hendricks # 1-16**

Start Date: 2010.03.27 @ 07:50:28

End Date: 2010.03.27 @ 14:24:13

Job Ticket #: 38146                      DST #: 1

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Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Murfin Drig Co Inc

250 N Wtr Ste 300  
Wichita Ks 67202

ATTN: David Doyle

Hendricks # 1-16

16-2-24-Trego-Ks

Job Ticket: 38146

DST#: 1

Test Start: 2010.03.27 @ 07:50:28

### GENERAL INFORMATION:

Formation: **I LKC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 09:48:58

Time Test Ended: 14:24:13

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3978.00 ft (KB) To 3998.00 ft (KB) (TVD)

Total Depth: 3998.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2458.00 ft (KB)

2453.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8354

Inside

Press@RunDepth: 10.60 psig @ 3979.00 ft (KB)

Start Date: 2010.03.27

End Date:

2010.03.27

Capacity: 8000.00 psig

Last Calib.: 2010.03.27

Start Time: 07:50:29

End Time:

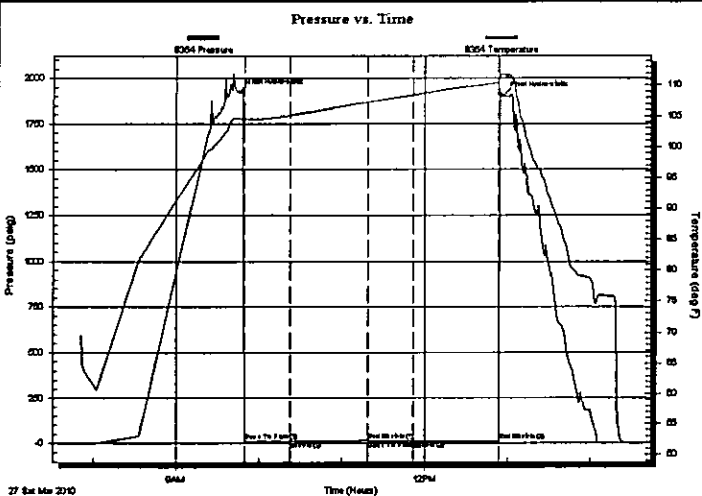
14:24:13

Time On Btm: 2010.03.27 @ 09:45:13

Time Off Btm: 2010.03.27 @ 12:57:13

TEST COMMENT: IF-Weak steady surface blow

FF-No blow



### PRESSURE SUMMARY

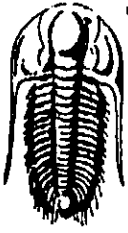
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.00	104.55	Initial Hydro-static
4	8.93	104.08	Open To Flow (1)
38	10.18	105.09	Shut-In(1)
94	13.20	107.23	End Shut-In(1)
94	10.82	107.25	Open To Flow (2)
127	10.60	108.45	Shut-In(2)
189	13.34	110.41	End Shut-In(2)
192	1904.59	111.73	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drig Mud	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Murfin Drig Co Inc

**Hendricks # 1-16**

250 N Wtr Ste 300  
Wichita Ks 67202

**16-2-24-Trego-Ks**

Job Ticket: 38146

DST#: 1

ATTN: David Doyle

Test Start: 2010.03.27 @ 07:50:28

**Tool Information**

Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 55.28 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3978.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

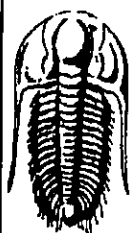
**Tool Description**

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			3956.00	
Shut In Tool	5.00			3961.00	
Hydraulic tool	5.00			3966.00	
Safety Joint	3.00			3969.00	
Packer	5.00			3974.00	23.00 Bottom Of Top Packer
Packer	4.00			3978.00	
Stubb	1.00			3979.00	
Recorder	0.00	8354	Inside	3979.00	
Recorder	0.00	8520	Outside	3979.00	
Perforations	16.00			3995.00	
Bullnose	3.00			3998.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 43.00**

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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drig Co Inc

**Hendricks # 1-16**

250 N Wtr Ste 300  
Wichita Ks 67202

**16-2-24-Trego-Ks**

Job Ticket: 38146

**DST#: 1**

ATTN: David Doyle

Test Start: 2010.03.27 @ 07:50:28

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2100.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Drig Mud	0.005

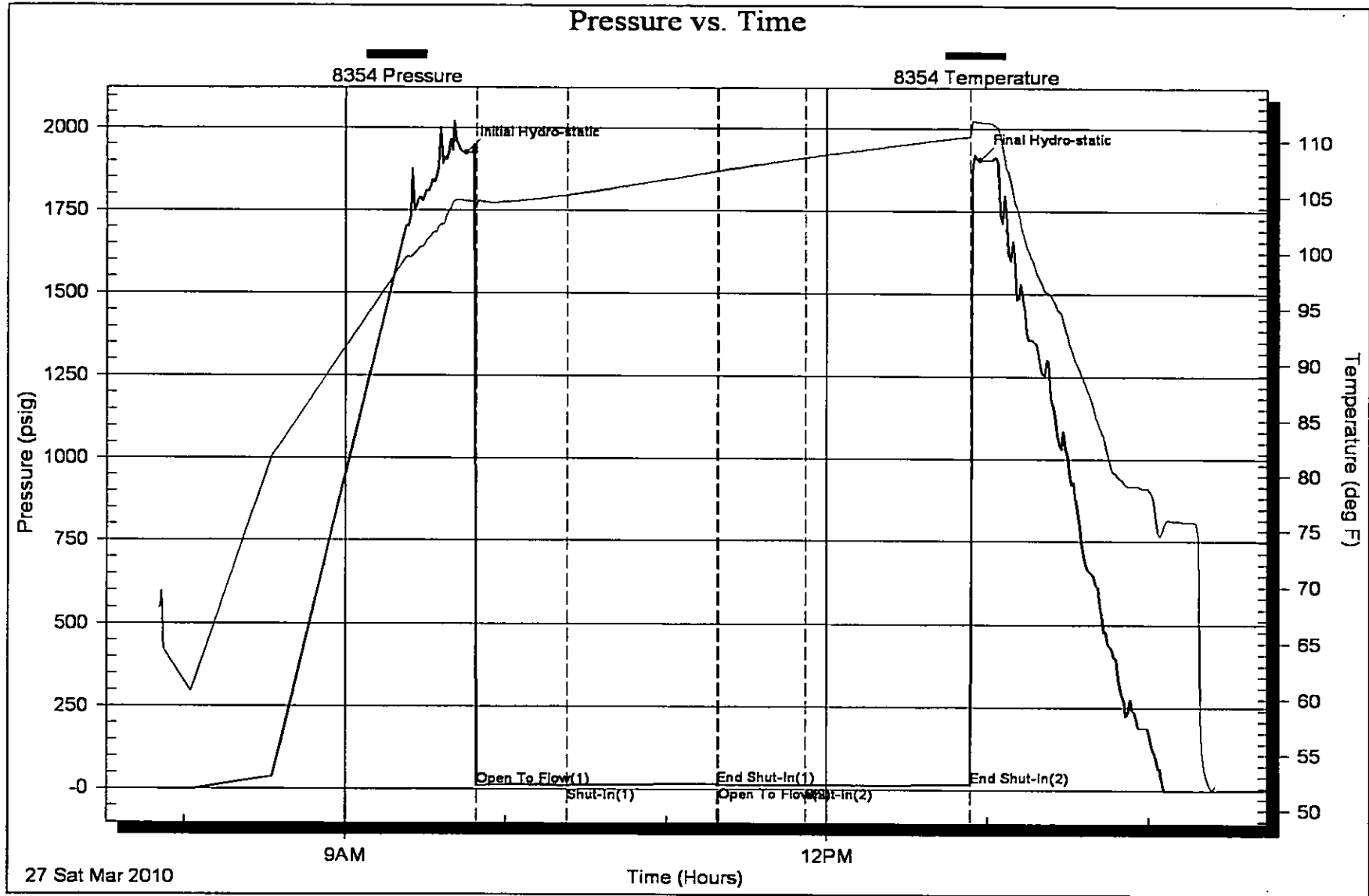
Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:





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